

SECRET

Company Name Hycon Mfg. Company 29 South Pasadena Avenue Pasadena, California	ENGINEERING STUDY <input type="checkbox"/> CHANGE PROPOSAL <input checked="" type="checkbox"/>	Proposal No. 14 - 1
DATE 5-6-59	AFFECTS: WSPO <input checked="" type="checkbox"/>	PROJECT <input checked="" type="checkbox"/>
NAME OF MAJOR COMPONENT 73-B Configuration	PART OR LOWEST SUB-ASSEMBLY Stand Assy, 100" Collimator	PART NO. & MODEL OR TYPE 735630

TITLE OF PROPOSAL:

New Metal 100" Collimator Stand

NATURE OF PROPOSAL: A new all-metal collimating stand for the 100" collimator is required to replace the existing temporary wooden stand. This will provide for the operator a tool which is a stable platform with which he can readily position the collimator in any desired attitude with a minimum of effort. The stand will be a light-weight, rigidly constructed unit, which can easily be collapsed for storage or shipping. The collimator will be mounted on linear bearings for rapid manual end-to-end traverse. The side-to-side angular positioning is accomplished by turning a hand crank operated lead screw. The collimator moves from side to side on ball bearings that ride in radiused tracks. The collimator can be locked in any desired position with knurled thumb screws. The legs will have leveling screws to compensate for uneven floors. Rubber tire casters will be provided on two of the legs to facilitate positioning of the collimator under the 73-B Configuration.

REASON FOR PROPOSAL:

These new stands are required because the existing temporary wooden stands are not precision in their operation and do not provide a stable platform for the collimator. Much valuable time is expended in positioning, adjusting, locking and steadyng the collimator while using the wooden stand. The new stand with casters will facilitate post flight collimation checks on 73-B Configurations.

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E S	ESTIMATED COST AND TIME INVOLVED:
ADDITIONAL FUNDING REQUIRED:	

C P	ESTIMATED COST FOR KITS OR PARTS: \$565.00 ea, 5 for WSPO & 3 for Proj
ADDITIONAL FUNDING REQUIRED: TOTALS - \$2825.00 for WSPO & \$1695.00 for Proj	

ITEMS AFFECTED BY PROPOSAL:

SAFETY <input type="checkbox"/>	MISSION EFFECTIVENESS <input checked="" type="checkbox"/>	PERFORMANCE <input checked="" type="checkbox"/>	OPERATING PROCEDURE <input type="checkbox"/>	INTER-CHANGEABILITY <input type="checkbox"/>	WEIGHT OR WEIGHT BALANCE <input type="checkbox"/>	TOOLS & EQUIPMENT <input type="checkbox"/>	MAINTENANCE PROCEDURE <input checked="" type="checkbox"/>	SERVICE LIFE <input type="checkbox"/>	FLIGHT MANUAL <input type="checkbox"/>	MAINTENANCE MANUAL <input type="checkbox"/>
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EPT. MAN/HRS. REQ'D. TO ACCOMPLISH CHANGE IN FIELD: Not Applicable

SOURCE OF PARTS FOR KIT Not Applicable	AVAILABILITY <u>20</u> WEEKS AFTER APPROVAL
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DISPOSITION OF SPARES AFFECTED Not Applicable
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APPROVED: WSPO
PROJECT

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